Computer Systems Analysts

IS THIS FOR YOU?

Work Interests are described in the following categories (compatible with Holland's Model) by people who tend to succeed in this career:

- Conventional You are an "organizer". Keeping things neat and organized is important to you. You like working with charts and reports, and work well with power and authority.
- Investigative You are a "thinker". When you have a problem, you like to analyze it and look at different ways to solve it. You like to work by yourself, and you don't like explaining your ideas to other people.
- Realistic You are a "doer". You like physical activities and projects. You like to find the answers to problems by doing hands-on work instead of talking about solutions.

Work Values are aspects of work that are satisfying to you. The following work values are generally associated with this career.

- Achievement It's very important to you that your work allows you to use your best abilities. You want to see the results of your work and get a feeling of accomplishment.
- Independence It's very important to you that your work allows you to make decisions on your own. You want to try out your own ideas and work with little supervision.

Aptitudes reflect a person's ability to acquire skills and knowledge. The following aptitudes are important for success in the career:

- General Learning Ability
- Verbal Aptitude
- Numerical Aptitude
- Clerical Perception

Source: https://secure.ihaveaplaniowa.gov/

SKILLS YOU NEED

Basic Skills:

- Reading Comprehension
 - Active Listening
 - Writing
 - Speaking
 - Mathematics
 - Critical Thinking
 - Active Learning
 - Monitoring

Transferable Skills (applicable in other careers): High level

- Designing Systems
- Giving advice on computer programs and data
 - Planning project activities
 - Preparing technical or research reports
 - Processing data on computers
- Working as a member of a data processing team

WHAT THEY DO

scientific, or technical

installation of appropriate

computer programs and

Information Technology

cluster and Network

Software Development

Programming and

Analyzes business,

operating systems.

problems and

Belongs to the

Systems and

pathways.

coordinates the

Workplace Skills: High level

- Complex Problem Solving
- Judgment and Decision Making
 - Quality Control Analysis
 Time Management

Medium level

- Coordination
- Equipment Selection
 - Installation
 - Instructing
- Operation and Control
- Operation Monitoring
- Operations Analysis
 - Persuasion
 - Programming
 - Repairing
 - Service Orientation
 - Systems Analysis
- Systems Evaluation
- Technology Design
 - Troubleshooting

Additional skills for this occupation may be found at http://www.iowaworkforce.org/pubs/careers/cps.

ESTIMATED & PROJECTED EMPLOYMENT

	2010	2020	2010-20	Annual	Total
	Estimated	Projected	Employment	Growth	Annual
Occupational Title	Employment	Employment	Change	Rate (%)	Openings
Total All Occupations	1,717,020	1,948,700	231,680	1.3	64,525
Computer & Mathematical Occupations	28,995	36,285	7,290	2.5	1,300
Computer Systems Analysts	5,040	6,740	1,700	3.4	265

Source: http://iwin.iwd.state.ia.us/pubs/statewide/stateoccproj.pdf

2012 WAGE & SALARY (\$)

2012 WAGE & SALARY (\$)

	•	Average	Entry	•	Experienced	-
Occupational Title	Wage	Salary	Wage	Salary	Wage	Salary
Total All Occupations	18.90	39,295	9.30	19,341	23.69	49,272
Computer & Mathematical Occupations	31.98	66,531	19.63	40,828	38.16	79,382
Computer Systems Analysts	36.13	75,166	24.63	51,218	41.90	87,140

Source: http://iwin.iwd.state.ia.us/pubs/statewide/stateoccproj.pdf

EDUCATION & TRAINING

Education	Work Experience	Job Training
Bachelor's Degree	None	None

When hiring computer systems analysts, employers usually prefer applicants who have at least a bachelor's degree. For more technically complex jobs, people with graduate degrees are preferred. For jobs in a technical or scientific environment, employers often seek applicants who have at least a bachelor's degree in a technical field, such as computer science, information science, applied mathematics, engineering, or the physical sciences. For jobs in a business environment, employers often seek applicants with at least a bachelor's degree in a business-related field such as management information systems (MIS). Increasingly, employers are seeking individuals who have a master's degree in business administration (MBA) with a concentration in information systems.

Source: http://iwin.iwd.state.ia.us/pubs/statewide/stateoccproj.pdf and https://secure.ihaveaplaniowa.gov/

NATIONAL CAREER READINESS CERTIFICATE (NCRC)

		IOWA .
Skill	Median Skill Level	WORKFORCE
Applied Mathematics	3	
Locating Information	4	DEVELOPMENT Smort. Results.
Reading for Information	5	an rate, regions,

This ACT-developed credential demonstrates achievement and a certain level of workplace employability skills. The greater the score, the greater the skill level (Bronze = 3, Silver = 4, Gold = 5, Platinum = 6).

Source: http://www.act.org/workkeys/analysis/occup.html

PRIMARY INDUSTRY SECTORS

(Where are Computer Systems Analysts Employed?)
Professional, Scientific, and Technical Services
Insurance Carriers
Credit Intermediation
Management of Companies
Educational Services
Telecommunications
Publishing

Source: http://iwin.iwd.state.ia.us/pubs/statewide/

stateoccproj.pdf

ADDITIONAL SOURCES:

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